

RCH and Demography

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Demography

Scientific study of human population with attention on

- a) Changes in population size
- b) Composition of population
- c) Distribution of population in space

Demographic processes

- a) Fertility
- b) Mortality
- c) Marriage
- d) Migration
- e) Social mobility

Sex ratio

The number of females per 1000 males.

Dependency ratio

The proportion of persons above 65 yrs of age and children below 15 yrs are considered to be dependent on the economically productive age group (15-64 yrs).

Density of population

Number of persons living per square kilometer.

Family size

Total number of children a woman has borne at a point in time.

Completed family size

Total number of children borne by a woman during her child bearing age, which is generally assumed to be between 15 and 45 years.

Literacy

For population relating to 7 years age and above is deemed as literate if he or she can read or write with understanding in any language.

Life expectancy

At a given age is the average number of years which a person of that age may expect to live, according to the mortality pattern prevalent in that country.

Birth rate

The number of live births per 1000 estimated mid year population, in a given year.

$$\text{B.R.} = \frac{\text{Number of live births during the year}}{\text{estimated mid year population}} \times 1000$$

General fertility rate

Number of live births per 1000 women in reproductive age group (15-44 or 49 years) in a given year.

$$\text{GFR} = \frac{\text{no. of live births in an area during the year}}{\text{mid year female population age 15-44 (or 49) years in same area in same year}} \times 1000$$

General marital fertility rate

Number of live births per 1000 married women in the reproductive age group (15-44 or 49 years) in a given year.

no. of live births in an area during the year

$$\text{GMFR} = \frac{\text{no. of live births in an area during the year}}{\text{mid year married female population age 15-49}} \times 1000$$

Age specific fertility rate

The number of live births in a given year to 1000 women in any specific age group.

no. of live births in a particular age group

$$\text{ASFR} = \frac{\text{no. of live births in a particular age group}}{\text{mid year married female population of same age group}} \times 1000$$

Total fertility rate

The average number of children a woman would have if she were to pass through her reproductive years bearing children at the same rates as the women now in each age group.

It is approximate magnitude of completed family size.

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